

Fig. 1

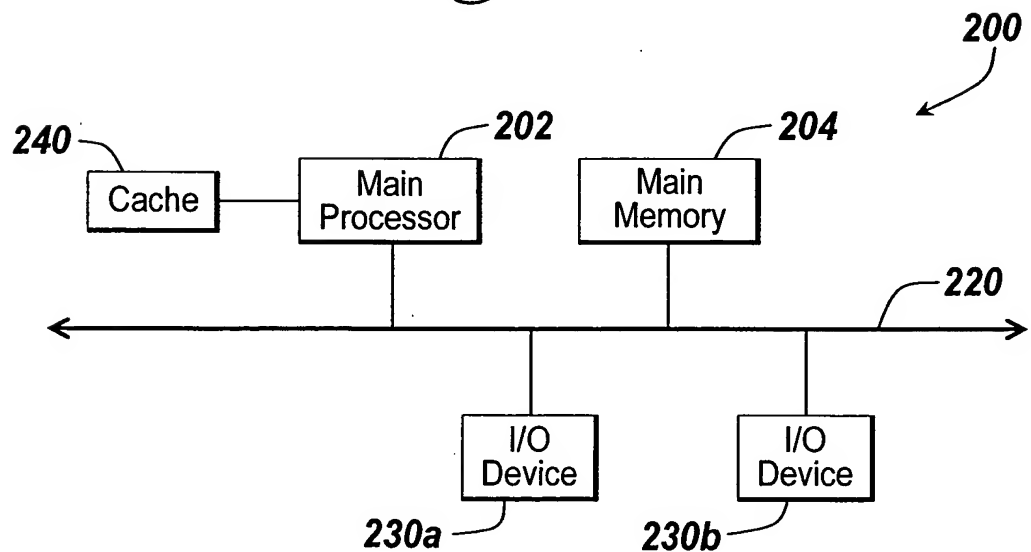


Fig. 2A

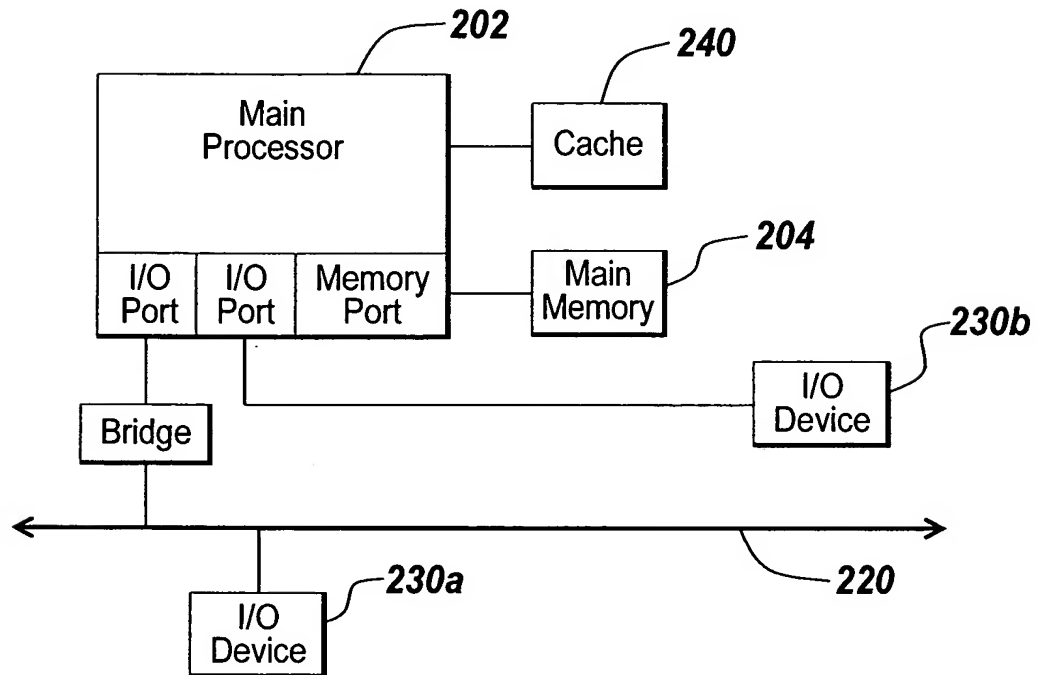


Fig. 2B

300

310

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File

FieldKorosNoyesModel

Compartments

BZ

Reactions

Reaction1

Reaction2

Reaction3

Reaction4

Reaction5

Species

Br

BrO3

Ce

HBrO2

HOBr

Reaction	Kinetic Law	Parameter	Reversible
Br + BrO3 -> HBrO2 + HOBr	Br*BrO3*k1	k1	false
Br + HBrO2 -> HOBr	Br*HBrO2*k2	k2	false
BrO3 + HBrO2 -> Ce + HBrO2	BrO3*HBrO2*k3	k3	false
HBrO2 -> BrO3 + HOBr	HBrO2^2*k4	k4	false
Ce -> Br	Ce*k5	k5	false

Name	Initial Amount	Constant
Br	0.003	false
BrO3	0.1	false
Ce	0.05	false
HBrO2	0.001	false
HOBr	0	false

Fig. 3A

Reaction Table		Kinetic Law		Parameter		Reversible	
Reaction	Mass Action	Initial Amount	Constant	Reaction	Mass Action	Initial Amount	Constant
s70 + RNAP -> s70:RNAP	Mass Action	0	false	s70 + RNAP -> s70:RNAP	Mass Action	0	false
pg + s70:RNAP -> s70:RN..	Mass Action	0	false	pg + s70:RNAP -> s70:RN..	Mass Action	0	false
s70:RNAP.pg -> mRNA_s32	Mass Action	17800	false	s70:RNAP.pg -> mRNA_s32	Mass Action	17800	false
mRNA_s32 -> null	Mass Action	0	false	mRNA_s32 -> null	Mass Action	0	false
mRNA_s32 -> s32	Mass Action	0	false	mRNA_s32 -> s32	Mass Action	0	false
s32 -> null	Mass Action	0	false	s32 -> null	Mass Action	0	false
s32 + RNAP -> s32:RNAP	Mass Action	0	false	s32 + RNAP -> s32:RNAP	Mass Action	0	false
ph + s32:RNAP -> s32:RN..	Mass Action	0	false	ph + s32:RNAP -> s32:RN..	Mass Action	0	false
s32:RNAP.ph -> mRNA_DnaK	Mass Action	0	false	s32:RNAP.ph -> mRNA_DnaK	Mass Action	0	false
mRNA_DnaK -> null	Mass Action	0	false	mRNA_DnaK -> null	Mass Action	0	false
mRNA_DnaK -> DnaK	Mass Action	0	false	mRNA_DnaK -> DnaK	Mass Action	0	false
DnaK -> null	Mass Action	0	false	DnaK -> null	Mass Action	0	false
s32 + DnaK -> s32:DnaK	Mass Action	0	false	s32 + DnaK -> s32:DnaK	Mass Action	0	false
Punfoided + DnaK -> Punfo...	Mass Action	0	false	Punfoided + DnaK -> Punfo...	Mass Action	0	false
Punfoided:DnaK + Pfolded...	Mass Action	0	false	Punfoided:DnaK + Pfolded...	Mass Action	0	false
Pfolded -> Punfoided	Mass Action	0	false	Pfolded -> Punfoided	Mass Action	0	false
s32:RNAP.ph -> mRNA_Fish	Mass Action	0	false	s32:RNAP.ph -> mRNA_Fish	Mass Action	0	false
mRNA_Fish -> null	Mass Action	0	false	mRNA_Fish -> null	Mass Action	0	false
mRNA_Fish -> Fish	Mass Action	0	false	mRNA_Fish -> Fish	Mass Action	0	false
Fish -> null	Mass Action	0	false	Fish -> null	Mass Action	0	false
s32:RNAP.ph -> mRNA_HsIVU	Mass Action	0	false	s32:RNAP.ph -> mRNA_HsIVU	Mass Action	0	false
mRNA_HsIVU -> null	Mass Action	0	false	mRNA_HsIVU -> null	Mass Action	0	false
mRNA_HsIVU -> HsIVU	Mass Action	0	false	mRNA_HsIVU -> HsIVU	Mass Action	0	false
HsIVU -> null	Mass Action	0	false	HsIVU -> null	Mass Action	0	false
s32:RNAP.ph -> mRNA_Pro...	Mass Action	0	false	s32:RNAP.ph -> mRNA_Pro...	Mass Action	0	false
Species Table							
DnaK	0	0	false	DnaK	0	0	false
Fish	0	0	false	Fish	0	0	false
HsIVU	0	0	false	HsIVU	0	0	false
Pfolded	17800	0	false	Pfolded	17800	0	false
Protease	0	0	false	Protease	0	0	false
Punfoided	0	0	false	Punfoided	0	0	false
Punfoided:DnaK	0	0	false	Punfoided:DnaK	0	0	false
RNAP	1337.6174	0	false	RNAP	1337.6174	0	false
mRNA_DnaK	0	0	false	mRNA_DnaK	0	0	false
mRNA_Fish	0	0	false	mRNA_Fish	0	0	false
mRNA_HsIVU	0	0	false	mRNA_HsIVU	0	0	false
mRNA_Protease	0	0	false	mRNA_Protease	0	0	false
mRNA_s32	0	0	false	mRNA_s32	0	0	false
null	0	0	false	null	0	0	false

Fig. 3B

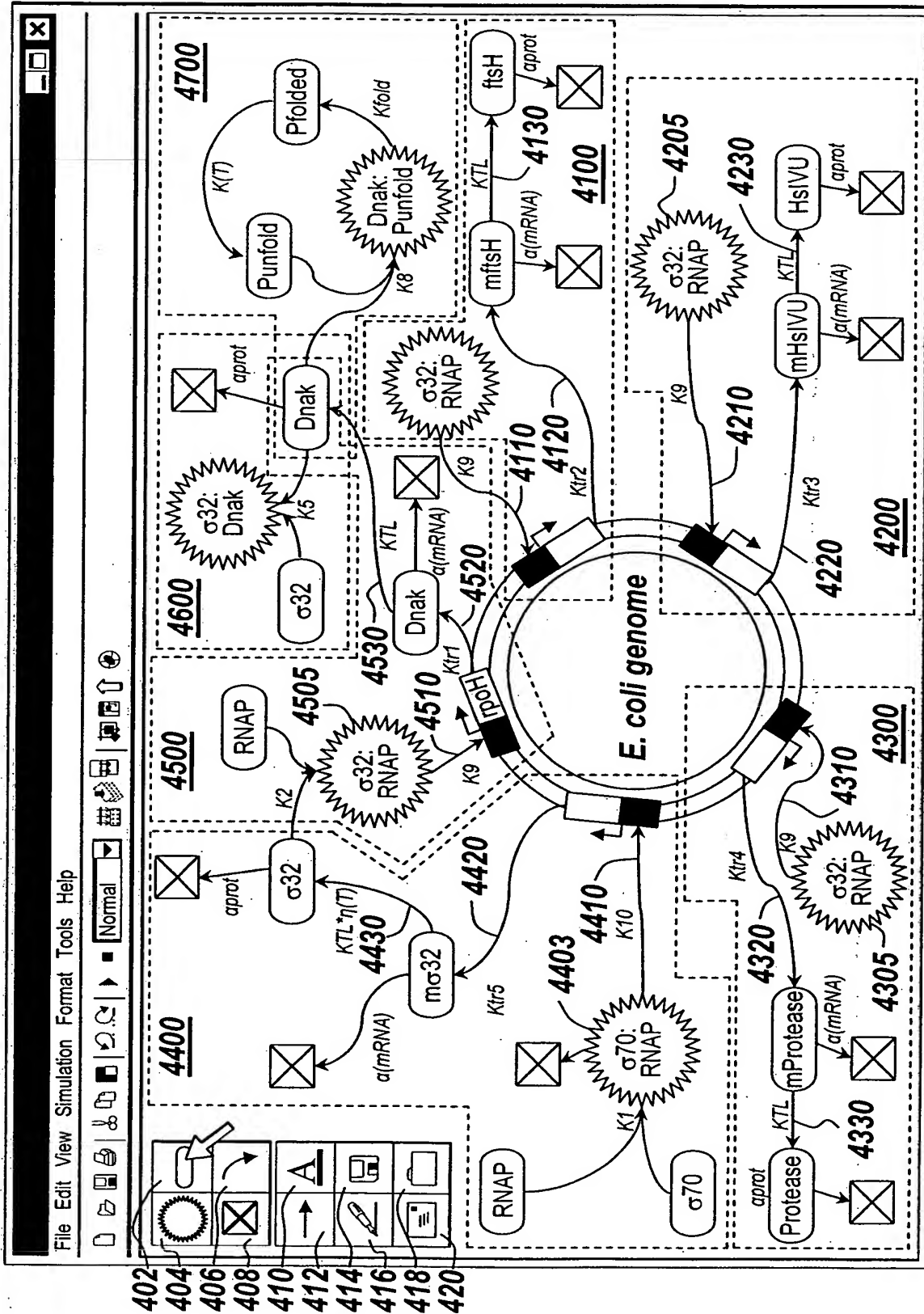


Fig. 4

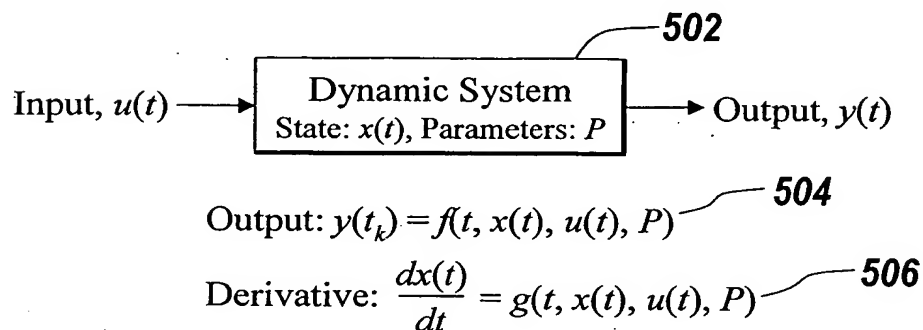


Fig. 5A

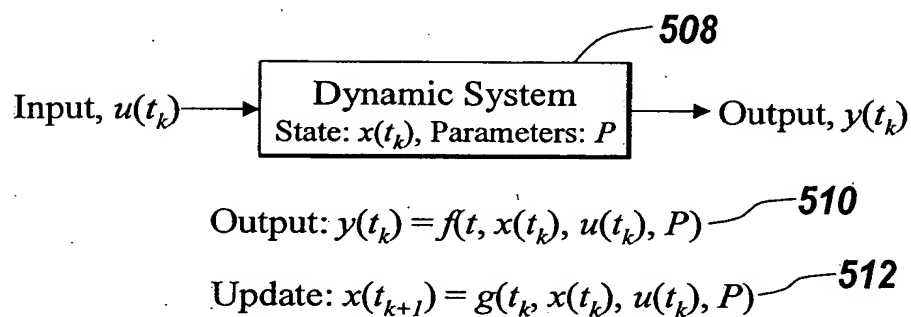


Fig. 5B

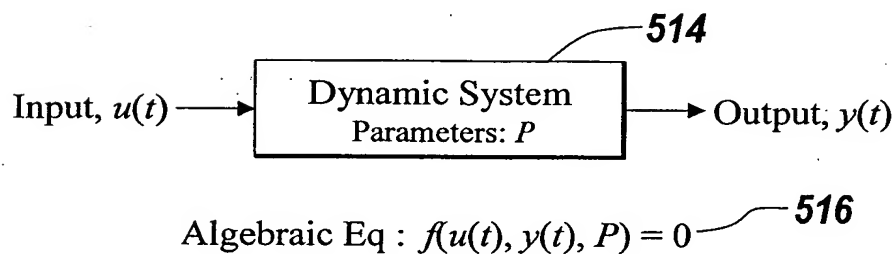
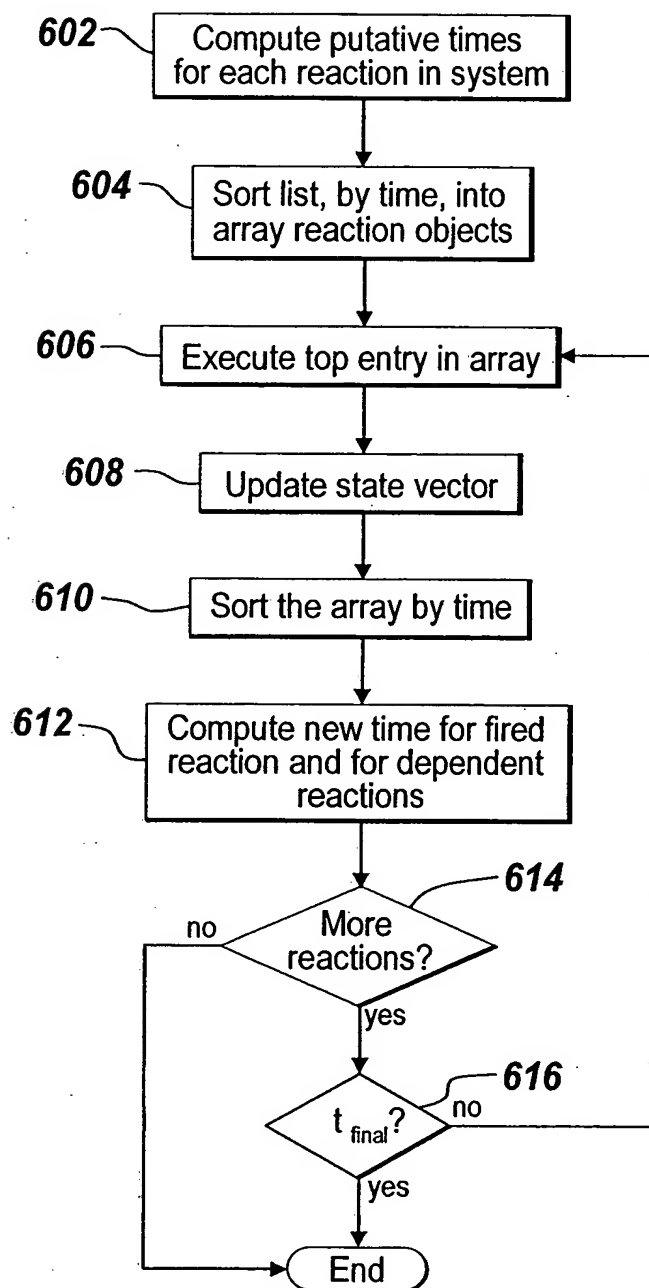


Fig. 5C

*Fig. 6*

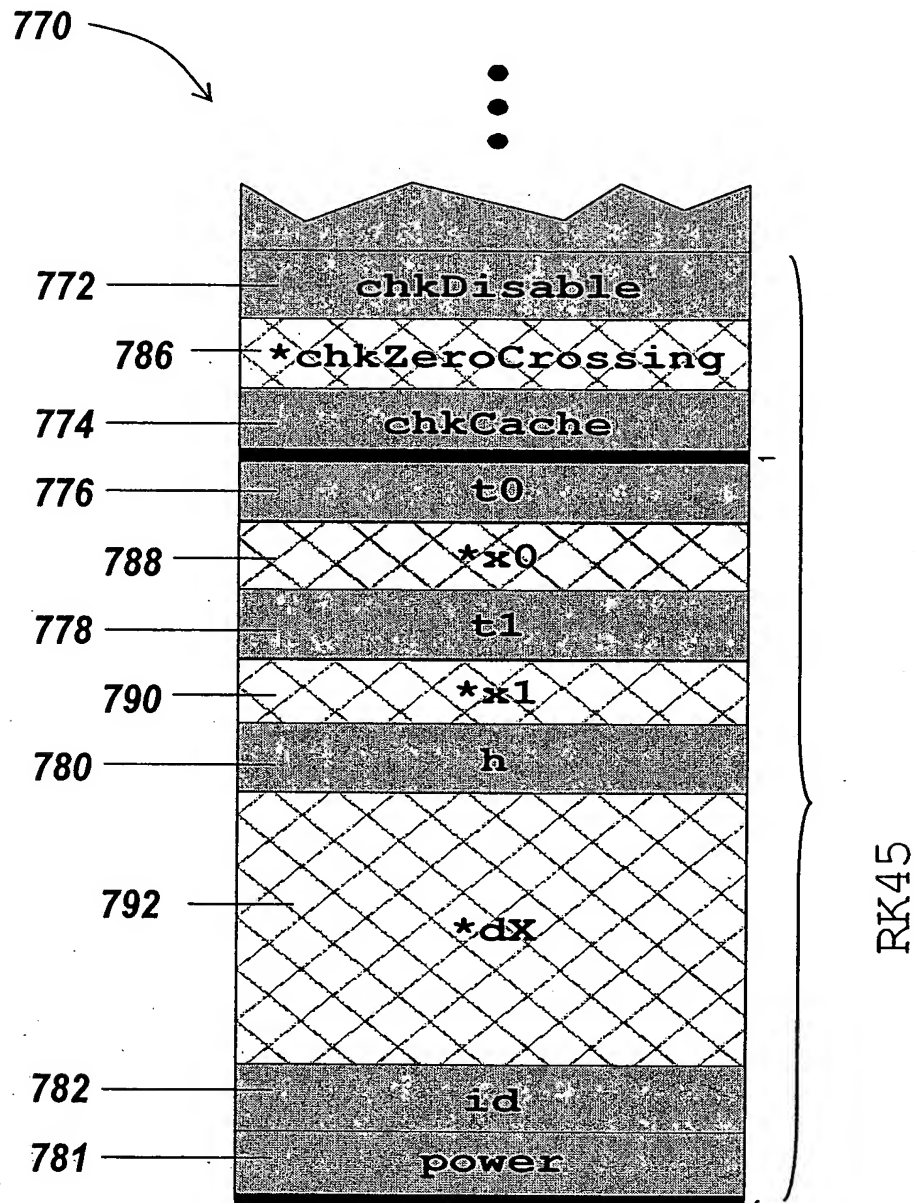


Fig. 7

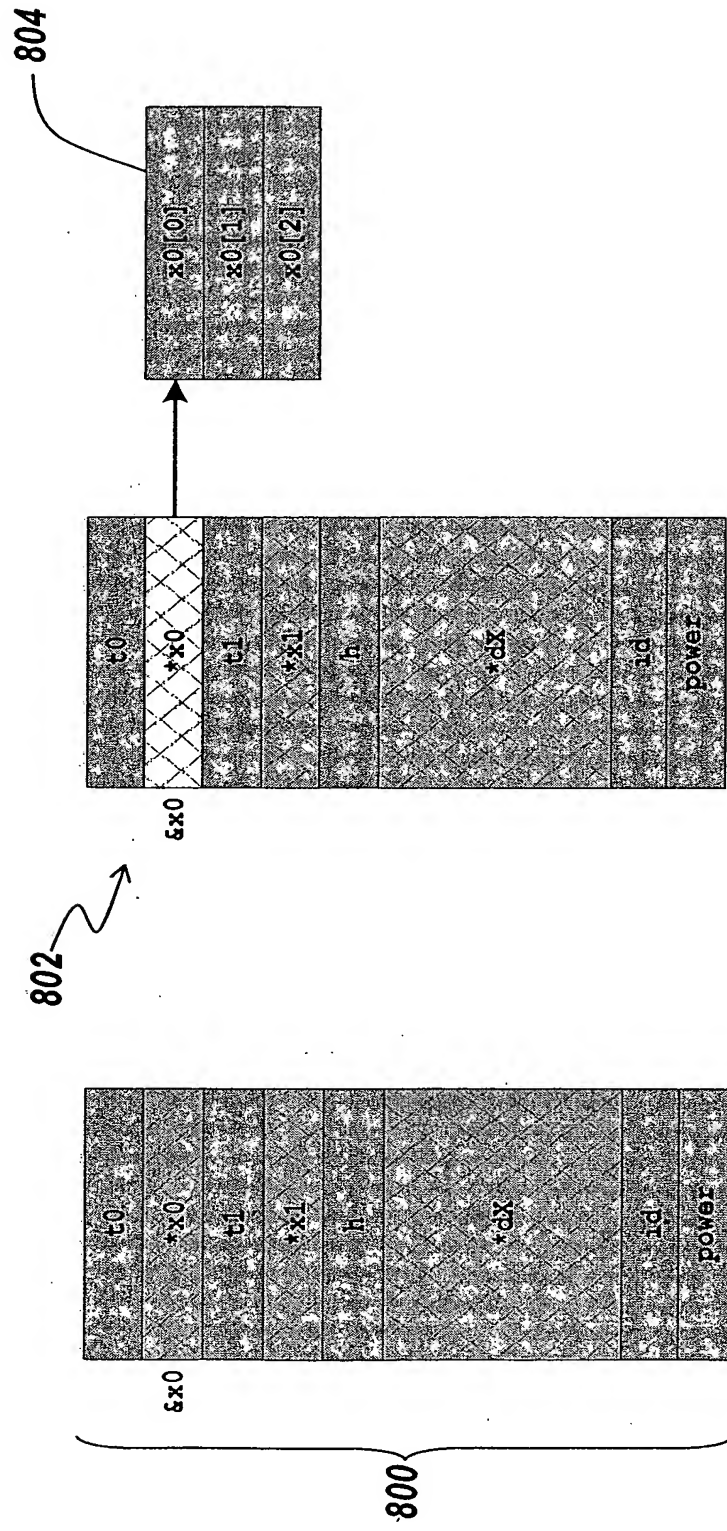


Fig. 8B

Fig. 8A

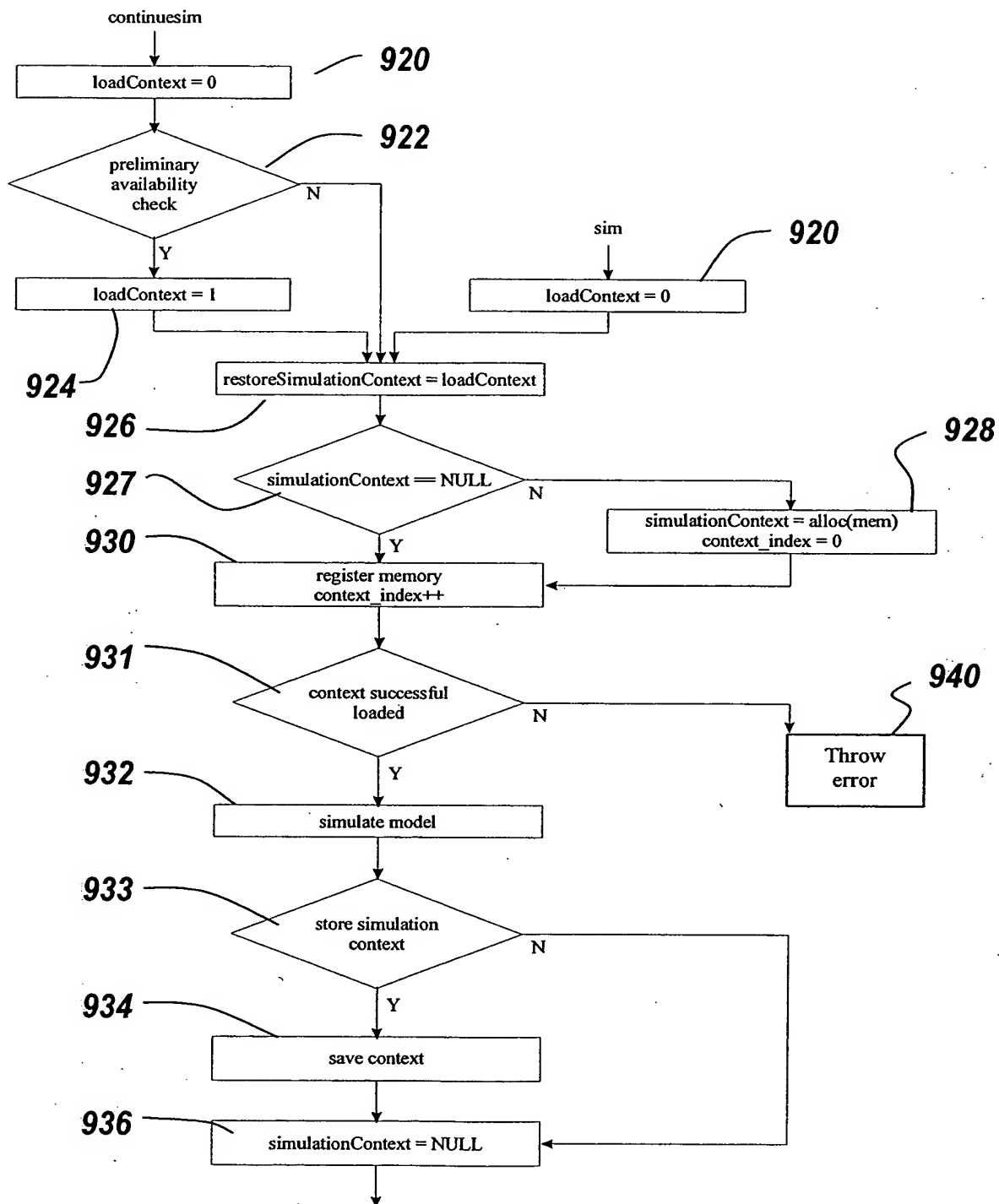


Fig. 9